



# Be The Best!

## Automation Controls/SCADA

- Unique program using computers to collect data and manage automated systems
- State-of-the-art labs incorporating high-level technology like remote control switching devices, metering systems, robotics and more
- Earn an AAS in five semesters or add a third year Automation Engineering option
- Your own laptop computer with specialty software
- High starting salaries

**JOB PLACEMENT RATE: 100%\***

**TUITION/FEES/LAPTOP: \$18,991**

*Book and tool costs extra.*

\*Placement data is gathered through graduate surveys, faculty-collected data, and phone surveys started after six months of graduation. In 2018, 11 of the 11 graduates responded to the survey. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

**Mitchell Technical Institute**  
**800-684-1969 • mitchelltech.edu**

Aspen Prize Top 10 Community College

## Award: AAS Degree

First Semester (Fall)			Semester Credits
EC	112	Electronics Theory .....	3
EC	121	DC/AC Circuit .....	3
EC	151	Electronics Lab I .....	3
EC	162	Electronics Math/Digital.....	2
EC	167	IT Essentials.....	3
OSHA	100	OSHA 10 Training .....	1
SSS	100	Student Success .....	1
			16

Second Semester (Spring)			Semester Credits
EC	138	CCNA I: Introduction to Networking .....	3
EC	142	Industrial Power Electronics .....	3
EC	210	Intro to VoIP .....	3
SD	136	Programming for SCADA.....	2
SD	157	SCADA Electronics Lab.....	3
		Communications Elective .....	3
			17

Third Semester (Summer)			Semester Credits
SD	120	Intro to Industrial Motor Controls.....	3
SD	159	Programmable Logic Controllers .....	3
SD	160	Industrial Wiring .....	3
		Math Elective .....	3
			12

Fourth Semester (Fall)			Semester Credits
SD	225	Intro to SCADA Software .....	4
SD	229	Networking Concepts.....	3
SD	230	Intro to Visual Basic .....	3
SD	259	Advanced Programmable Logic Controllers..	3
EC	180	Data Cabling.....	3
		Social Science Elective .....	3
			19

Fifth Semester (Spring)			Semester Credits
SD	205	Process Controls .....	3
SD	239	Advanced Industrial Networking .....	3
SD	270	SCADA Testing & Control Lab.....	7
		Behavioral Science Elective.....	3
SSS	200	Career Readiness .....	1
			17

**Total Credits Required to Graduate: 81**

### Optional Third-Year Automation Engineering AAS:

Sixth Semester (Fall)			
WMT	201	Quality & Productivity Improvement.....	2
WMT	230	Welding Robotic Lab.....	3
WMT	231	Manual Machining Lab.....	3
WMT	240	Manufacturing Programming .....	3
BUS	212	Principles of Management (elective).....	3
			11

Seventh Semester (Spring)			Semester Credits
WMT	250	Laser Cutting Technology .....	3
WMT	251	CNC Machining Station Lab .....	3
WMT	260	Adv. Machining .....	4
CPR	100	First Aid, CPR & AED.....	0.5
			10.5